

Patent Abstracts of Japan

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TITLE

BRUSHLESS FAN MOTOR

突出部 ロータ板 _51 33 37a 49 駆動コイル 放熱基板

半導体電子部品 55

ABSTRACT: PROBLEM TO BE SOLVED: To provide an ultra-thin type brushless fan motor.

SOLUTION: An inner race 37a of one ball bearing 37 is supported against a bearing cylinder 35, protruding from a radiating base plate 29. A ringshaped ferromagnetic stator plate 41 is fixed on the radiating base plate so as to surround the bearing cylinder 35. A plurality of driving coils 49 are disposed on a stator plate 41 in an annular plate shape. An N-pole and an Spole are magnetized alternately, and a ferromagnetic rotor plate 51 provided with a plurality of fins protruding around them is placed on the outer race 37b of the ball bearing 37 to face the stator plate 41. The rotor plate 51 is held by magnetic attracting force in a space to the stator plate 41.

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